

FIG. 1A

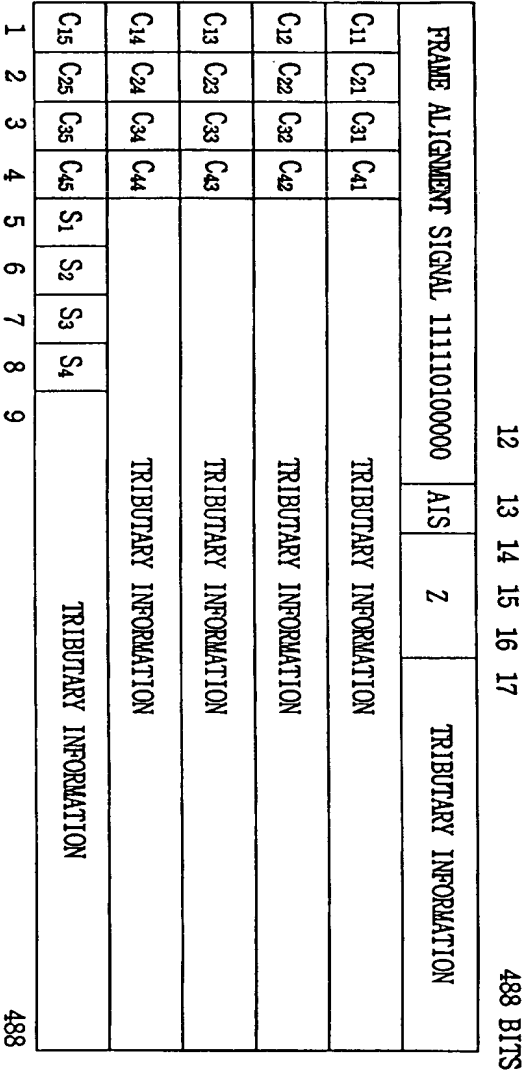


FIG. 1B

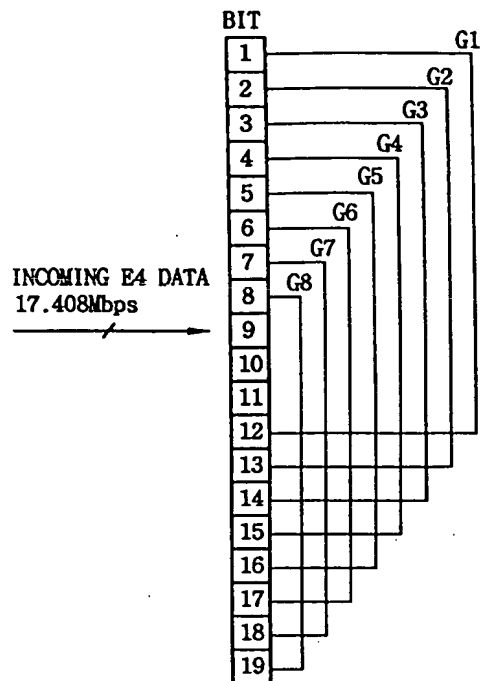


FIG. 1C

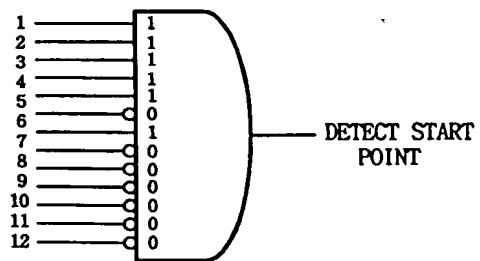


FIG. 1D

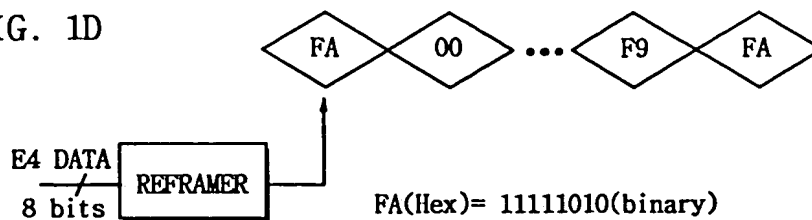


FIG. 2

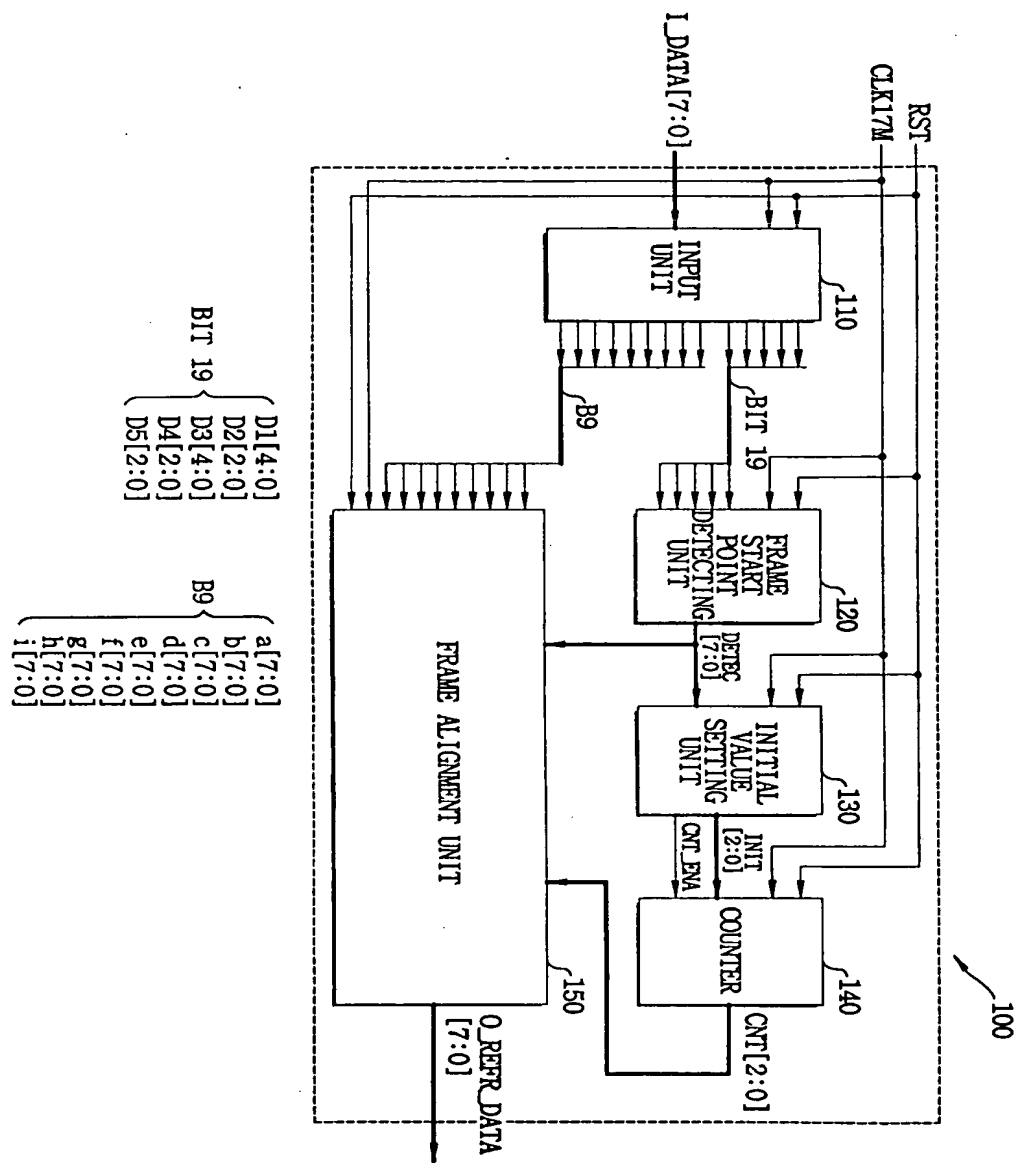


FIG. 3A

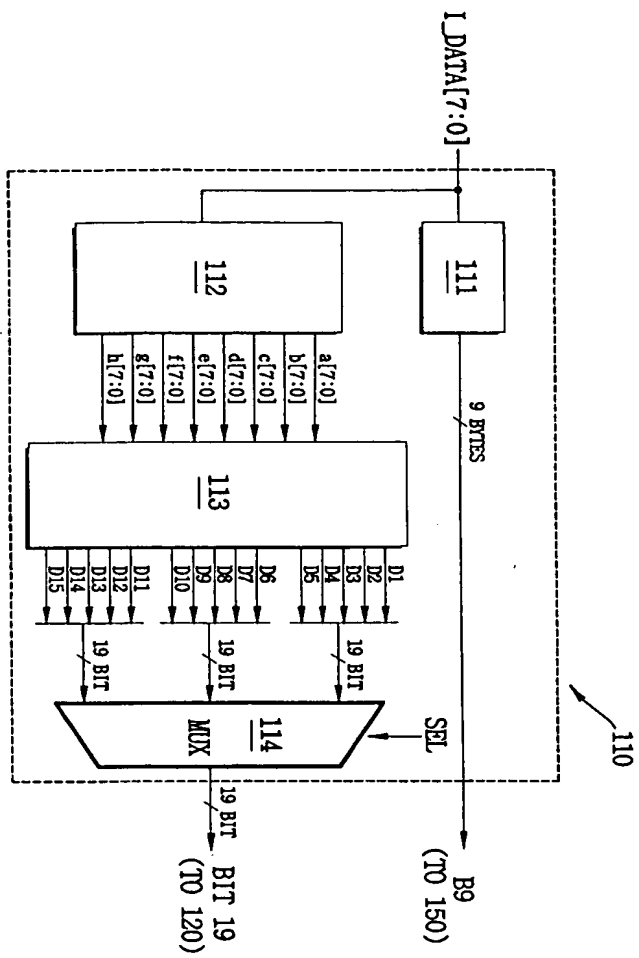


FIG. 3B

PARALLEL OUTPUT DATA (B9)	1 PERIOD	2 PERIOD	3 PERIOD
a[7:0]	11101100	00101011	10110011
b[7:0]	00110010	.	.
c[7:0]	01010101	.	.
d[7:0]	10101010	.	.
e[7:0]	00001111	.	.
f[7:0]	10100000	.	.
g[7:0]	00000000	.	.
h[7:0]	01100101	.	.
i[7:0]	00101011	10110011	.

FIG. 4

INPUT BIT SEQUENCE	FAS DETECTION	DETECT[7:0]	INIT[2:0]	CNT_ENA	OUTPUT OF COUNTER (140) [2:0]
G1	HIGH	10000000	000	HIGH	000, 001, 010, 011, 100, 101, 110, 111, 000...
G2	HIGH	01000000	001	HIGH	001, 010, 011, 100, 101, 110, 111, 000, 001...
G3	HIGH	00100000	010	HIGH	010, 011, 100, 101, 110, 111, 000, 001, 010...
G4	HIGH	00010000	011	HIGH	011, 100, 101, 110, 111, 000, 001, 010, 011...
G5	HIGH	00001000	100	HIGH	100, 101, 110, 111, 000, 001, 010, 011, 100...
G6	HIGH	00000100	101	HIGH	101, 110, 111, 000, 001, 010, 011, 100, 101...
G7	HIGH	00000010	110	HIGH	110, 111, 000, 001, 010, 011, 100, 101, 110...
G8	HIGH	00000001	111	HIGH	111, 000, 001, 010, 011, 100, 101, 110, 111...

FIG. 5A

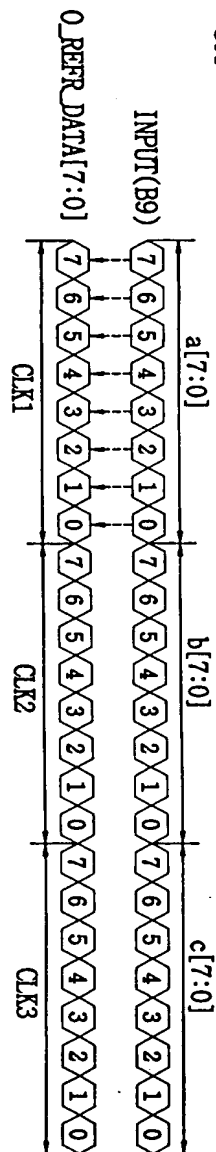


FIG. 5B

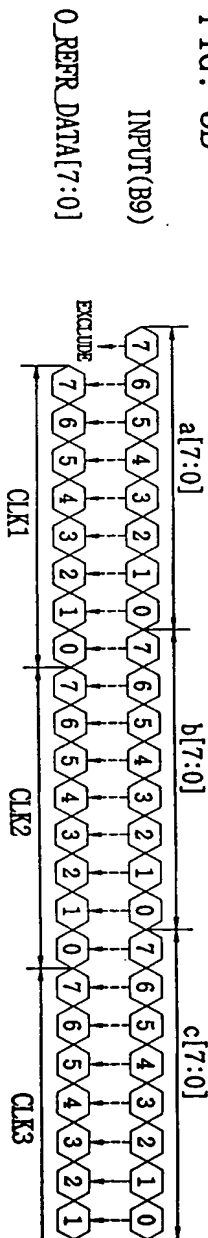


FIG. 5C

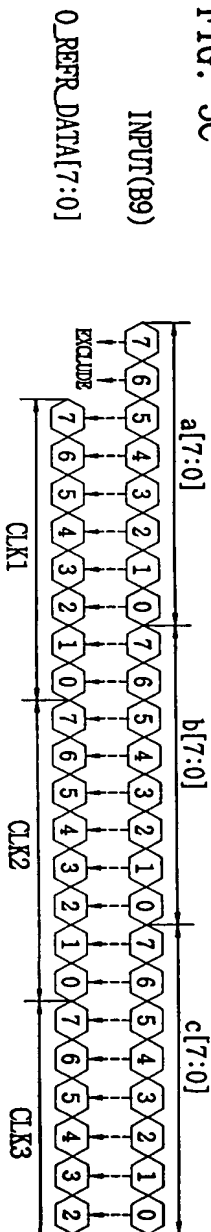


FIG. 5D

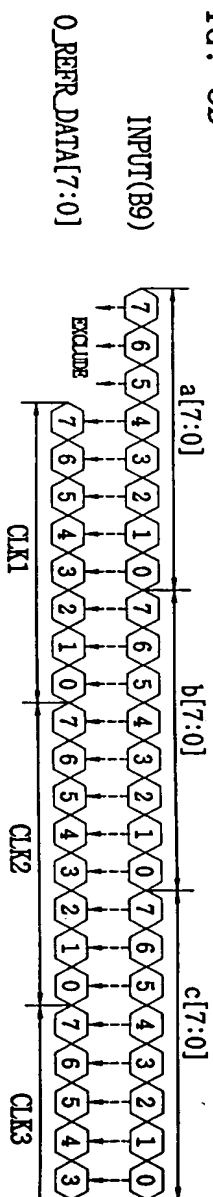


FIG. 5E

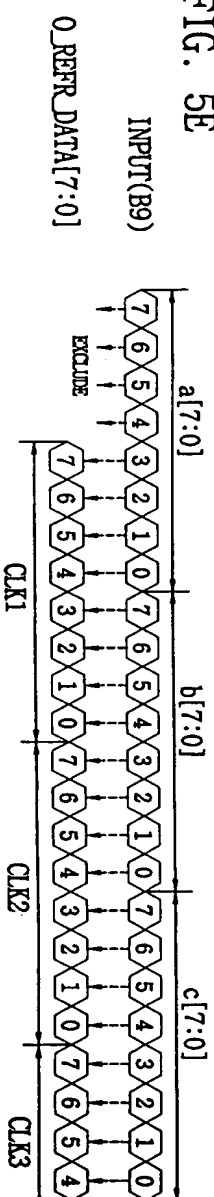


FIG. 5F

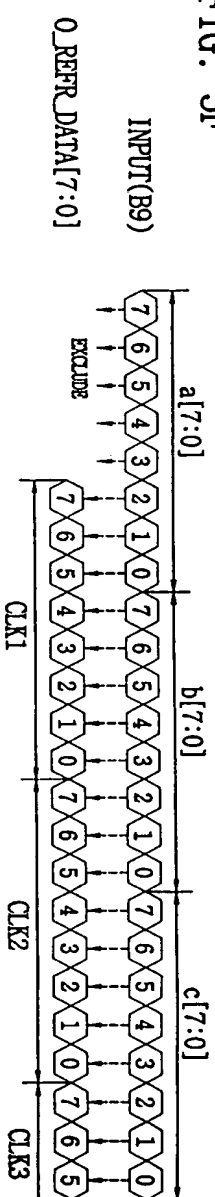


FIG. 5G

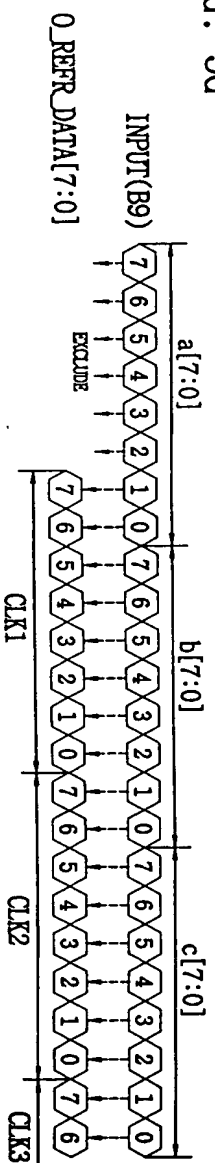


FIG. 5H

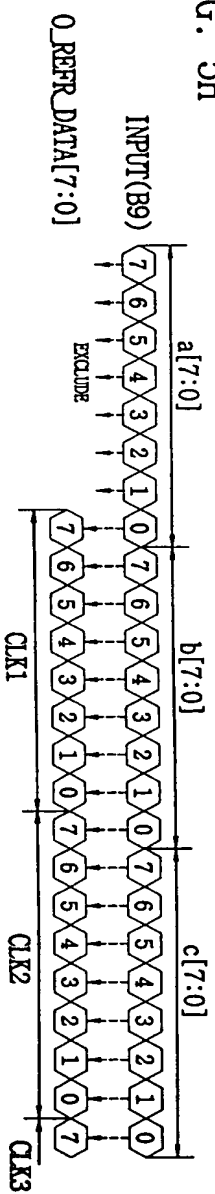


FIG. 6

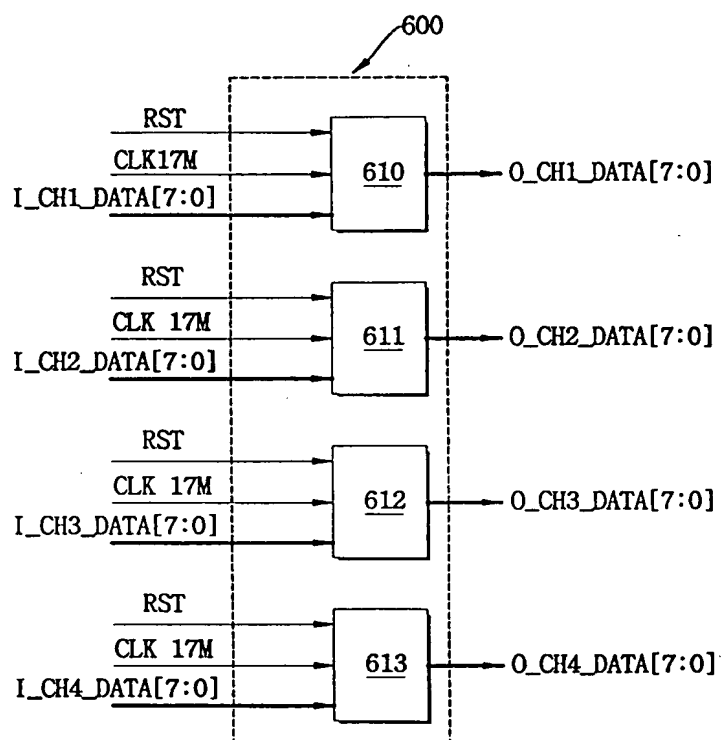


FIG. 7

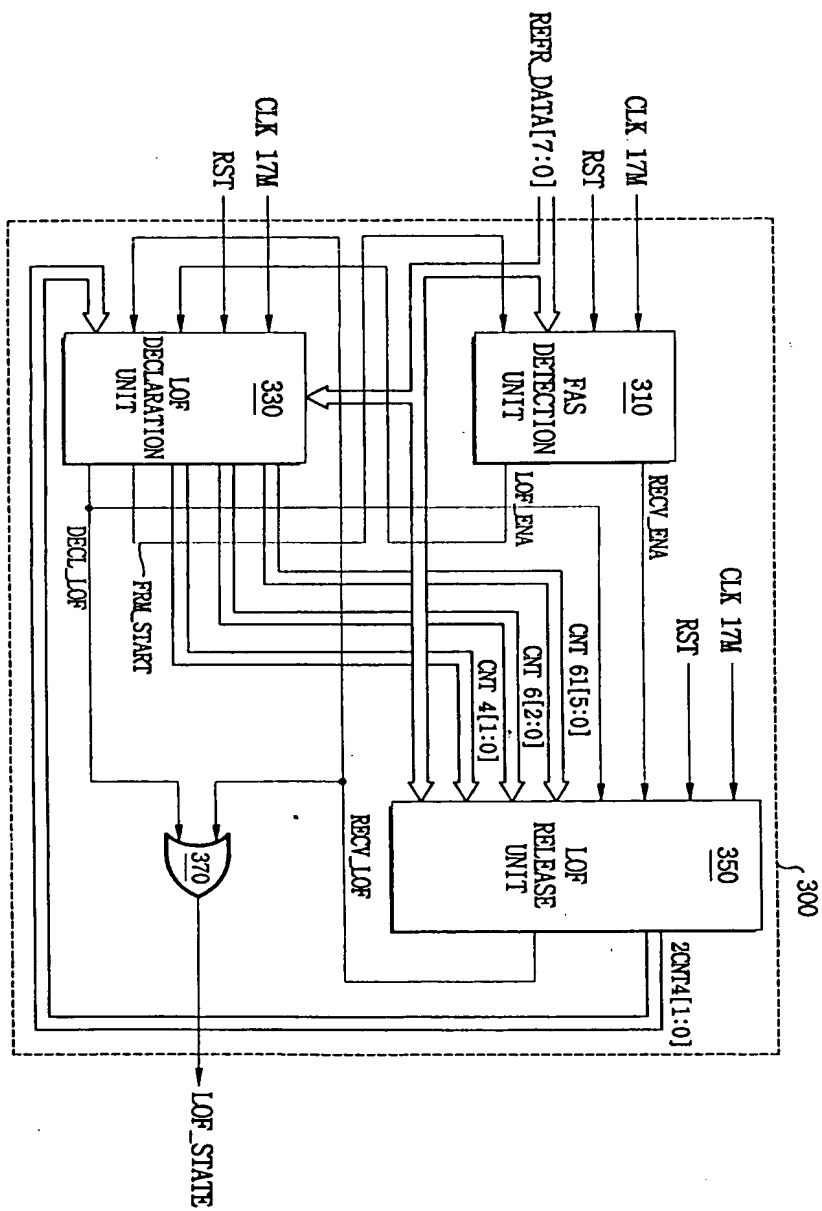


FIG. 8

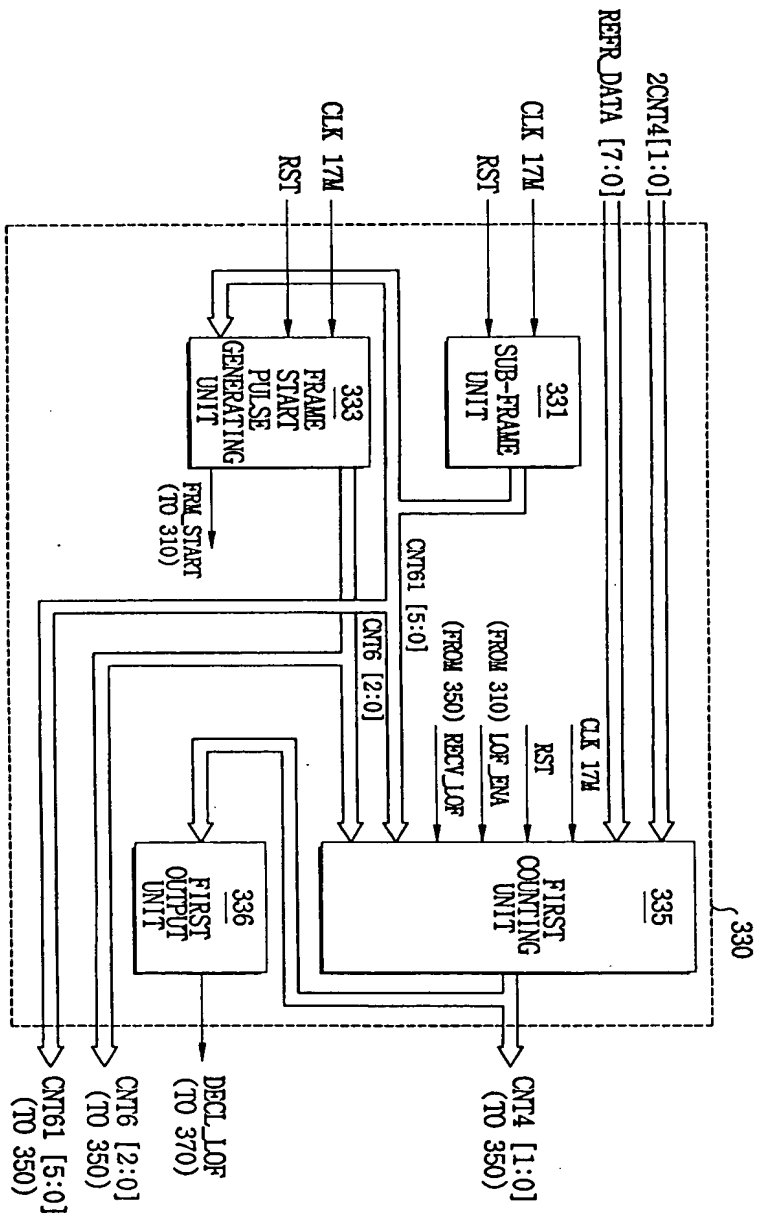


FIG. 9

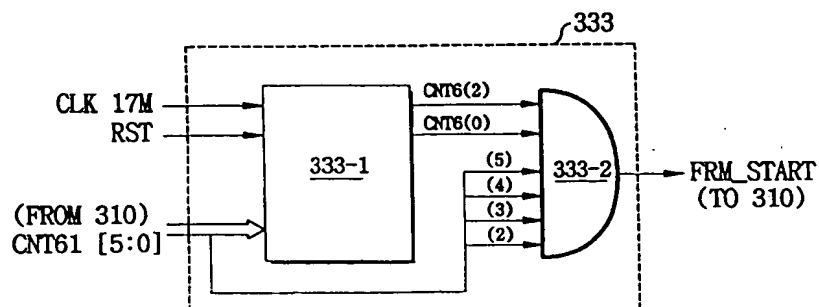


FIG. 10

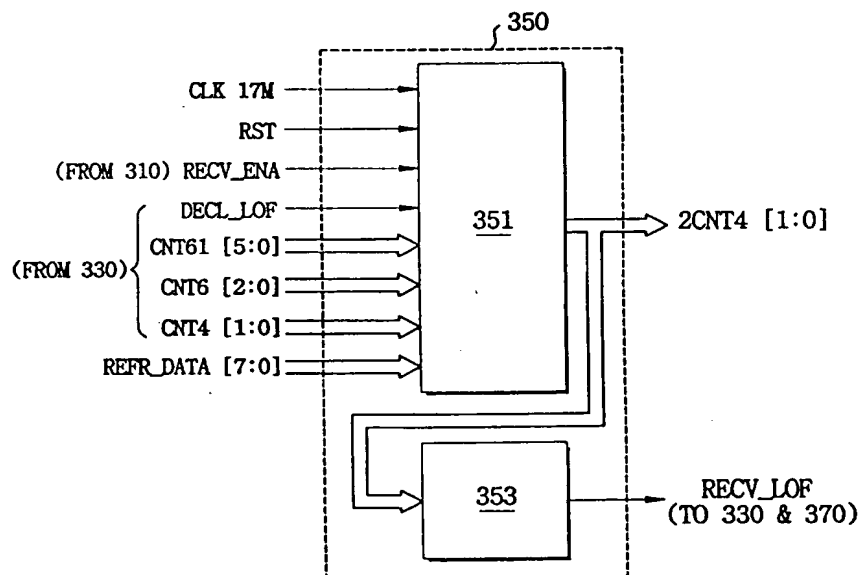


FIG. 11

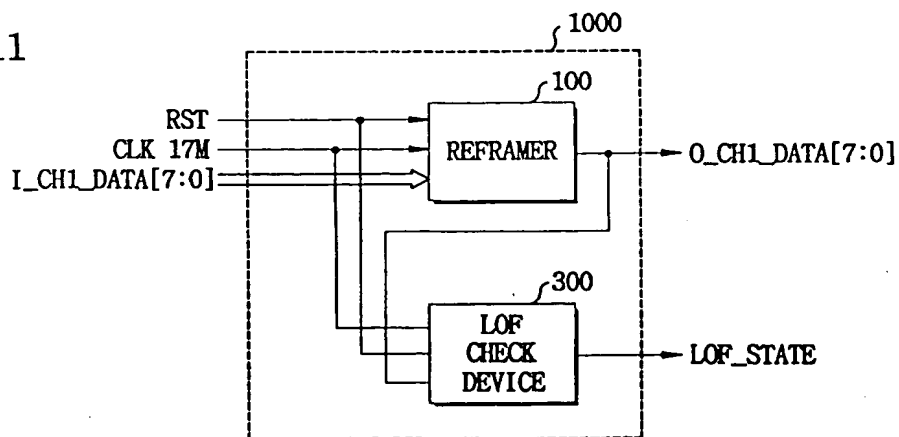


FIG. 12

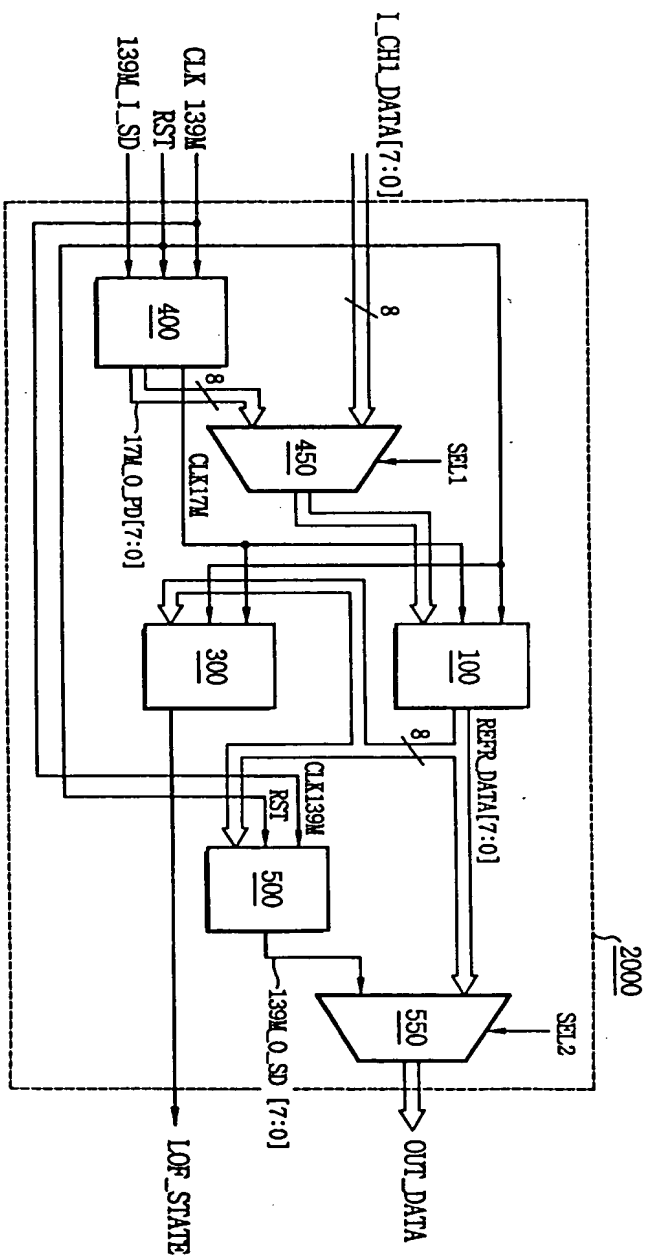


FIG. 13

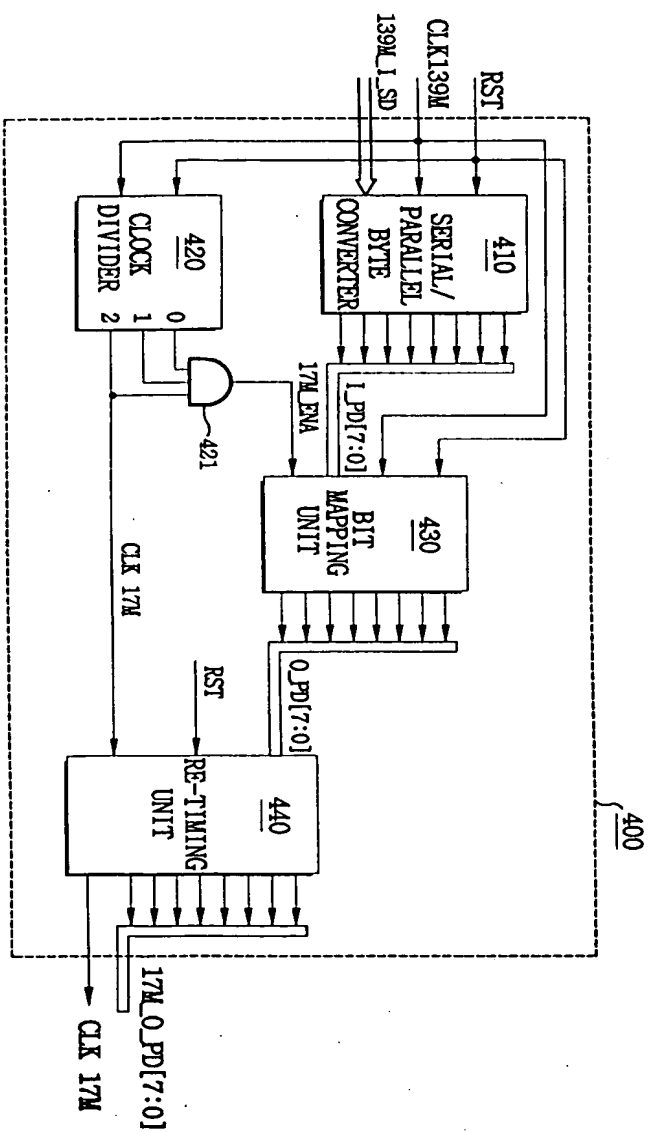


FIG. 14

